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- Berthelot, J., et Fournier, M. Bromation stéréosélective d'alcynes par le tribromure de tétrabutylammonium, 603.
- Bertolotti, S.G., Cosa, J.J., Gsponer, H.E., Hamity, M., and Previtali, C.M. Electron donor-acceptor complexes between naphthylamines and methyl viologen in aqueous sodium dodecyl sulphate solution, 845.
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- Choi, S.C., and Boyd, R.J. Analysis of intramolecular hydrogen bonding in terms of the topological properties of the charge density. The protonated fluoracetones, 2042.
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- Colombo, M.I., Bustos, D.A., Gonzalez-Sierra, M., Olivieri, A.C., and Ruveda, E.A. An extension of the Beierbeck and Saunders parameters for the semiempirical calculation of the ^{13}C nuclear magnetic resonance chemical shifts: the *gauche*- $\gamma(X)$ effect in epoxides, 552.

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- Cooper, D.A., Rettig, S.J., and Storr, A., Synthesis, characterization, and X-ray structures of Rh(I) monocarbonyl complexes containing unsymmetric tridentate pyrazolylgallate ligands, 566.
- Cooper, D.A., Rettig, S.J., Storr, A., and Trotter, J., The 2-mercapto-1-methylimidazolyl moiety as a bridging ligand in complexes of gallium, rhenium, and molybdenum, 1643.
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- Corbeil, M.-C., Beauchamp, A.L., Alex, S., and Savoie, R., Interaction of the methylmercury cation with glycine and alanine: a vibrational and X-ray diffraction study, 1876.
- Cortes, D., Hocquemiller, R., Cavé, A., Saez, J., et Cavé, A., Pseudoxandrine, pseudoxandrine, oxandrine et oxandrine, premières α ou α' céto-bisbenzyltétrahydroisoquinoléines à pont biphenylique, 1390.
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- Cozak, D., see Lemay, G., 1943.
- Cozak, D., Gauvin, F., and Demers, J., Direct observation of low spin - high spin electronic ground states and cross-over exchange in manganocene derivatives, $(\eta^5-C_5H_5R)_2Mn$, $R = H, CH_3, C_2H_5$ by paramagnetic nuclear magnetic resonance, 71.
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- Cygler, M., Huber, C.P., Godin, J.R.P., and Phelps, D.J., Structure and reactions of 4-(2,4,6-trimethyl)benzylidene-2-phenyloxazolin-5-one, 2064.
- Czarnocki, Z., Maclean, D.B., and Szarek, W.A., Enantioselective synthesis of isoquinoline alkaloids, 2205.
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- David, S., Dolphin, D., James, B.R., Paine, J.B., III, Wijesekera, T.P., Einstein, F.W.B., and Jones, T., Synthesis and characterization of durenene-capped porphyrins and the crystal structure of a hemin derivative, 208.
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- Derrick, P.J., and Hammerum, S. On why some low-energy decomposition pathways of simple ketones molecular ions do not give rise to metastable peaks. A reappraisal, 1957.
- Desando, M.A., and Reeves, L.W. The demicellization temperature of potassium *n*-octanoate in deuterium oxide as estimated from ^1H and ^{13}C nuclear magnetic resonance spectra, 1817.
- Desando, M.A., and Reeves, L.W. The effects of high temperatures (29–123°C) on critical micelle concentrations in solutions of potassium *n*-octanoate in deuterium oxide: A nuclear magnetic resonance study, 1823.
- Deslauriers, H., and Collin, G.J. The relative rate constants of oxygen, $\text{O}(^1\text{P})$, atoms with different gaseous unsaturated compounds at room temperature, 1925.
- Deslongchamps, P., see Caron, M., 1781.
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- Deslongchamps, P., and Roy, B.L. Synthesis of 9- and 10-membered rings by the intramolecular Michael addition of malonate on enone and ynone, 2068.
- Desnoyers, J.E., see Caron, G., 1573.
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- Dick, D.G., and Stephan, D.W. Synthesis and structural studies of rhodium complexes of phosphorus-sulfur ligands, 1870.
- Diener, H., and Zollinger, H. Mechanism of azo coupling reactions. Part 34. Reactivity of five-membered ring heteroaromatic diazonium ions, 1102.
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- Fountain, K.R., Heinze, P., Maddox, D., Gerhardt, G., and John, P. Erratum: Acylation of aromatic substrates with ketene. II. Hammett-Brown studies on substituted aromatic compounds, 2477.
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- Gee, N., and Freeman, G.R. Mobilities of thermal cations in argon and xenon gases: temperature and field dependence, 2006.
- Gee, N., Floriano, M.A., and Freeman, G.R. Mobility of thermal cations in low density alkane gases, 2423.
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- Kamar, A., Young, A.B., and March, R.E. Experimentally determined proton affinities of 4-methyl-3-penten-2-one, 2-propyl ethanoate, and 4-hydroxy-4-methyl-2-pentanone in the gas phase, 2368.

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- Kiehlmann, E., Li, E.P.-M., and Millar, J.G. The Claisen rearrangement of 1,4-bis(*m*-methoxyphenoxy)-2-butyne, 1989.
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- MacDougall, P.J., and Bader, R.F.W. Atomic properties and the reactivity of carbenes, 1496.
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- McGlinchey, M.J., and Nguyen, H. The hydrolysis of $(\pi\text{-C}_6\text{H}_6)\text{Cr}(\pi\text{-C}_6\text{F}_5\text{CO}_2\text{C}_2\text{H}_5)$: an unexpected decarboxylation, 1170.
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- Morzycki, J.W., Jurek, J., and Rodewald, W.J. Synthesis of 8-methylene-des-AB-cholestan-9-one by cholesterol degradation, 1540.
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- Postigo, M.A., Zurita, J.L., de Soria, M.L.G., and Katz, M. Excess thermodynamic properties of *n*-pentane + dichloromethane system at 298.15 K, 1966.

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- Rochon, F.D., et Girard, L. Étude par résonance magnétique nucléaire du platine-195 de la réaction de *cis*-[Pt(éthylméthylsulfoxyde) $_2$ Cl $_2$] avec un sel d'argent, 1974.

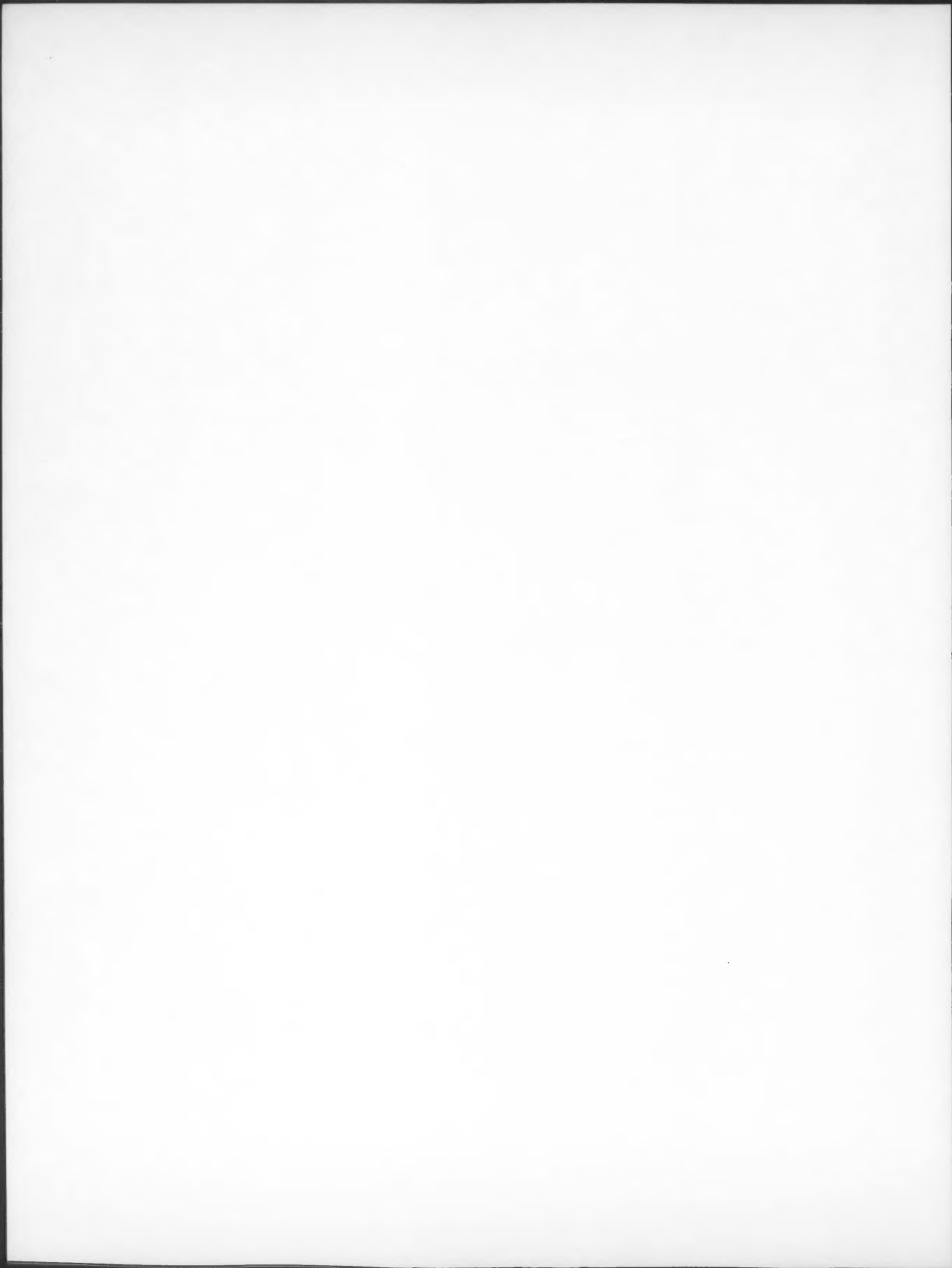
- Rochon, F.D., and Kong, P.C. Iodo-bridged complexes of platinum(II) and synthesis of *cis* mixed-amine platinum(II) compounds, 1894.
- Rochon, F.D., Kong, P.-C., and Girard, L. Reactions of $cis[Pt(sulfoxide)_2Cl_2]$ with silver salts and synthesis of hydroxo-bridged platinum(II) complexes with sulfoxides, 1897.
- Rodewald, W.J., see Morzycki, J.W., 1540.
- Rodrigue, A., Bovenkamp, J.W., Lacroix, B.V., Bannard, R.A.B., and Buchanan, G.W. Complexes of 18-crown-6 macrocyclic ethers obtained from ethereal solvents. Complexes of potassium and sodium salts with host:guest ratios of 1:2 and 1:3, 808.
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- Rudra, S., Talukdar, H., Chakravarti, B.P., and Kundu, K.K. Ion–ion–solvent interactions in aqueous cosolvent systems. I. Transfer thermodynamics of hydrogen chloride in aqueous sodium nitrate solutions from emf measurements, 1960.
- Ruediger, E.H., Gandhi, S.S., Gibson, M.S., Fărcașiu, D., and Uncuța, C. Schmirle reaction of some constrained aromatic acids, and related topics, 577.
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